

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053545

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/10 H04B10/18 G02B6/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 943 466 A (CORNING INC) 24 August 1999 (1999-08-24) cited in the application column 7, line 49 - column 8, line 21; figure 11	1-4,8,9, 21
A	GALTAROSSA A ET AL: "POLARIZATION MODE DISPERION PROPERTIES OF CONSTANTLY SPUN RANDOMLY BIREFRINGENT FIBERS" OPTICS LETTERS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 28, no. 18, 15 September 2003 (2003-09-15), pages 1639-1641, XP001172641 ISSN: 0146-9592 cited in the application the whole document	1-23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

16 February 2005

Date of mailing of the international search report

11/03/2005

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PCT/EP2004/053545

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	XIN CHEN, MING-JUN LI, AND D.A. NOLAN: "Scaling properties of polarization mode dispersion of spun fibers in the presence of random mode coupling" OPTICS LETTERS, vol. 27, no. 18, 15 September 2002 (2002-09-15), pages 1595-1597, XP002289414 the whole document	1-23
A	GALTAROSSA A ET AL: "OPTIMIZED SPINNING DESIGN FOR LOW PMD FIBERS: AN ANALYTICAL APPROACH" JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 19, no. 10, October 2001 (2001-10), pages 1502-1512, XP001115815 ISSN: 0733-8724 cited in the application the whole document	1-23
A	WO 00/14579 A (DEUTSCHE TELEKOM AG ; SCHMITZER HEIDRUN (DE); DULTZ GISELA (DE); DULTZ) 16 March 2000 (2000-03-16) page 3, line 37 - page 5, line 2	1-23
Y	EP 1 136 850 A (SUMITOMO ELECTRIC INDUSTRIES) 26 September 2001 (2001-09-26) page 2, line 23 - line 57; figures 1,3,6	10-20, 22,23
X	WO 02/03115 A (PIRELLI CAVI E SISTEMI S.P.A; GALTAROSSA, ANDREA; PIZZINAT, ANNA; PALM) 10 January 2002 (2002-01-10) page 32, line 7 - page 33, line 5 page 36, line 8 - page 37, line 24; figures 3,13	5-7
P,X	WO 2004/095097 A (CORNING INC 'US!; CHEN XIN 'US!; LI MING-JUN 'US!; MEYER JESSE C 'US!;) 4 November 2004 (2004-11-04) page 3, paragraph 5 - page 4, paragraph 2 page 10, paragraph 3 - page 11, paragraph 1; figures 7,8	5-7
P,X	WO 2004/028989 A (PIRELLI & C. S.P.A; ROBA, GIACOMO, STEFANO; SARCHI, DAVIDE; TRAVAGNIN,) 8 April 2004 (2004-04-08) page 5, line 17 - page 6, line 11 page 23, line 9 - page 25, line 4; figures 9,11	5-7
Y	US 5 613 028 A (CORNING INC.) 18 March 1997 (1997-03-18) column 5, line 40 - column 6, line 58 column 7, line 4 - line 30; figures 3,4	10-20, 22,23
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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P,A	<p>ANDREA GALTAROSSA ET AL.: "First- and Second-Order PMD Statistical Properties of Constantly Spun Randomly Birefringent Fibers"</p> <p>JOURNAL OF LIGHTWAVE TECHNOLOGY, vol. 22, no. 4, 4 April 2004 (2004-04-04), pages 1127-1136, XP002317927 the whole document</p>	1-23

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Information on patent family members

International Application No

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